



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/527,920	03/17/2000	Mark Scott	1848.0060003	3032
26111	7590	06/13/2006	EXAMINER	
STERNE, KESSLER, GOLDSTEIN & FOX PLLC 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			NGUYEN, PHUONGCHAU BA	
			ART UNIT	PAPER NUMBER
			2616	

DATE MAILED: 06/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/527,920

Applicant(s)

SCOTT ET AL.

Examiner

Phuongchau Ba Nguyen

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 March 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 6-19, 22-34, 40-53, 56-64, 67-68, 74-87, 90-98, 101-105 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 6-17, 22-25, 28-34, 40-51, 56-59, 62-64, 67, 68, 74-85, 90-93, 96-98 and 101-105 is/are rejected.
- 7) ☒ Claim(s) 18, 19, 26, 27, 52, 53, 86, 87, 94 and 95 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 March 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

Claim Objections

1. Claims 103–105 are objected to because of the following informalities:
“being capable of configuring” is not a positive recitation, should be changed to
“for configuring”. Appropriate correction is required.

Claim Rejections – 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S.

Art Unit: 2616

patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 6-10, 22, 40-44, 56, 74-78, 90, 103 are rejected under 35 U.S.C. 102(e) as being anticipated by Kavner (6,430,607).

Regarding claims 6, 40, 74,

Kavner (6,430,607) discloses a system for providing gateway services in a voice communication system over a packet-switched network (fig.2), comprising:

an application layer (client layer 206a-fig.2) that includes application services (client service 206b-fig.2)(col.8, lines 38-43); and

a platform (client processor 102-fig.2) for sessions and modules, wherein said application layer includes a gateway service and a common service (col.8, lines 43-46 & col.7, lines 10-27).

Art Unit: 2616

Regarding claims 7, 41, 75, Kavner further discloses wherein said application layer also includes an autoforward service (col.8, lines 43–46).

Regarding claims 8, 42, 76, Kavner further discloses wherein said platform includes a session manager that creates and manages sessions (fig.2).

Regarding claims 9, 43, 77, Kavner further discloses wherein said session manager includes a rule engine (col.8, lines 43–46, routines for allowing clients and applications to communicate with each other).

Regarding claims 10, 44, 78, Kavner further discloses wherein said session corresponds to a voice call (fig.2, chat session).

Regarding claims 22, 56, 90,

Kavner discloses a routing server system comprising: a routing application layer that serves routes (application layer 206a–fig.2) and

a platform (service layer 206b-fig.1) for memory (dynamic link library) and modules, wherein said routing application layer includes a route translation service (col.8, lines 26-65).

Regarding claim 103,

Kavner further discloses computer interface means for displaying said gateway server to a predetermined computer, information being exchanged with said predetermined computer, said computer interface means being capable of configuring said gateway server (client processor 102, figs.1-2).

4. Claims 25, 39-30, 33, 59, 63-64, 67, 93, 97-98, 101 are rejected under 35 U.S.C. 102(b) as being anticipated by Land (5,571,706).

Regarding claims 25, 59, 93,

Land (5,751,706) discloses a system for routing server, comprising:
first receiving means for receiving exported local routes from gateway servers (receiving dialed digits of called party, col.14, lines 1-5);

transforming means for transforming exported local routes into dynamic routes (transforming the received digits so that to determine how the call should be routed, col.14, lines 6–17);

first storing means for storing said dynamic routes (routing table for storing the identity of destination so that to route the call, col.14, lines 10–12);

second storing means for storing static global and disseminated routes (database 235, col.14, lines 10–12);

first providing means for providing said disseminated routes to gateway Servers (col.14, lines 13–18, for providing a route to a called party);

second receiving means for receiving requests for matching routes from gateway Servers (to determine how to route a call, col.14, lines 8–12);

determining means for determining a matching route (col.14, lines 8–12),

second providing means for providing said matching route (col.14, lines 10–12).

Regarding claims 29–30, 63–64, 97–98,

Land discloses wherein said means for dynamic routing, comprise:
connecting means for connecting to a routing server (figs.1–3); querying means for querying a routing server (col.14, lines 8–12); providing means for providing matching routes to a gateway server (call transfer, col.14, lines 13–18); and matching means for storing said matching routes on a gateway server (col.14, lines 25–33).

Regarding claims 33, 67, 101,

Land (5,751,706) discloses a system for determining a call address, comprising:

receiving means for receiving parsed data (receiving digits of calling numbers, col.14, lines 1–12);

first matching means for matching area code digits (checking to see if the dialing digits are matched with the allowed numbers, col.14, lines 12–18);

second matching means for matching phone number digits (col.14, lines 12–18),

Art Unit: 2616

third matching means for matching extension digits (col.14, lines 12-18),
prioritizing means for prioritizing route addresses with matched digits
(col.14, lines 58-62, sorting the dialed number by country code to determine if
the call should be routed through a system).

Claim Rejections – 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for
all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 11-14, 16-17, 23-24, 45-48, 50-51, 57-58, 79-82, 84-85, 91-92, 104 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kavner in view of Land (5,751,706).

Regarding claims 11, 45, 79, Kavner further discloses

a line group manager (gateway 130-fig.1) that coordinates communication between a telephone line side and a packet-switched network side of the gateway server (col.7, lines 1-9);

a routing manager (gateway 124) that manages route usage on the gateway server (col.7, lines 42-48);

a database access manager (gateway 124) that monitors access to the database server (col.7, lines 36-48);

Kavner discloses all the claimed limitations, except (1) media manager that manages voice prompt usage; and (2) call rating manager that determines the costs to apply to each call.

However, in the same field of endeavor, Land (5,751,706) discloses a phone service for prompting user to enter a credit card number so the service can bill the credit card for the cost of the call (corresponding to (1)) and determining rate-based cost for a call (corresponding to (2))(col.14, lines 39-52). Therefore, it would have been obvious to an artisan to apply Land's teaching to Kavner's system with the motivation being to provide less

expansive packet switched telecommunication network as a long distance carrier between two public switched telecommunication networks.

Regarding claims 12, 46, 80, Kavner discloses all the claimed limitations, except (1) a parsing subsystem coupled to said routing manager.

However, in the same field of endeavor, Land (5,751,706) discloses an autodialer 250 (col.14, lines 7-18). Therefore, it would have been obvious to an artisan to apply Land's teaching to Kavner's system with the motivation being to determine if and how the call be routed.

Regarding claims 13, 47, 81, Land further discloses wherein said parsing subsystem comprises: maintaining means for maintaining a parsing table; receiving means for receiving call information; determining means for determining a country code; retrieving means for retrieving pattern data from said parsing table; determining means for determining an area code; determining means for determining a local number; determining means for determining an extension; and outputting means for outputting a call address

Art Unit: 2616

(col.13, line 61–col.14, line 63). Therefore, it would have been obvious to apply Land's teaching to Kavner's system with the motivation being to determine how a call should be routed and to provide controlling of what phone calls being allowed.

Regarding claims 14, 48, 82, Kavner further discloses a dynamic cache subsystem (dynamic link library–fig.2) coupled to said routing manager (col.8, lines 48–50).

Regarding claims 16, 50, 84, Kavner discloses all the claimed limitations, except (1) a conversion module.

However, in the same field of endeavor, Land (5,751,706) further discloses originating call processor 130–fig.1 (col.7, lines 6–10) (corresponding to (1)). Therefore, it would have been obvious to an artisan to apply Land's teaching to perform format conversions between the two networks.

Regarding claims 17, 51, 85, Kavner further discloses a hardware device manager module (gateway microcomputer 130) that coordinates telephony and network components (col.7, lines 6–9).

Regarding claims 23, 57, 91, Kavner discloses all the claimed limitations, except (1) a parsing subsystem coupled to said routing server.

However, in the same field of endeavor, Land (5,751,706) discloses an autodialer 250 (col.14, lines 7–18). Therefore, it would have been obvious to an artisan to apply Land's teaching to Kavner's system with the motivation being to determine if and how the call be routed.

Regarding claims 24, 58, 92, Kavner discloses all the claimed limitations, except (1) wherein said parsing subsystem comprises: maintaining means for maintaining a parsing table; receiving means for receiving call information; determining means for determining a country code; retrieving means for retrieving pattern data from said parsing table; determining means for determining an area code; determining means for determining a local number;

determining means for determining an extension; and outputting means for outputting a call address.

However, in the same field of endeavor, Land further discloses wherein said parsing subsystem comprises: maintaining means for maintaining a parsing table; receiving means for receiving call information; determining means for determining a country code; retrieving means for retrieving pattern data from said parsing table; determining means for determining an area code; determining means for determining a local number; determining means for determining an extension; and outputting means for outputting a call address (col.13, line 61–col.14, line 63). Therefore, it would have been obvious to apply Land's teaching to Kavner's system with the motivation being to determine how a call should be routed and to provide controlling of what phone calls being allowed.

Regarding claim 104,

Kavner further discloses computer interface means for displaying said routing manager to a predetermined computer, information being exchanged

Art Unit: 2616

with said predetermined computer, said computer interface means being capable of configuring said routing manager (client processor 102, figs. 1-2).

7. Claims 15, 49, 83 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kavner in view of Land as applied to claim 12, and further in view of Khuc (6,470,008).

Regarding claims 15, 49, 83, Kavner discloses all the claimed limitations, except (1) wherein said parsing subsystem matches routes by wildcarding.

However, in the same view of endeavor, Khuc (6,470,008) discloses routing using wildcard (col.9, 20-35) (corresponding to (1)). Therefore, it would have been obvious to an artisan to apply Khuc's teaching to Kavner's system with the motivation being to matching any calling numbers corresponding to the entries of allowed calls in database to retrieve allowed call.

8. Claims 28, 62, 96, 105 are rejected under 35 U.S.C. 103(a) as being unpatentable over Land in view of Kavner (6,430,607).

Regarding claims 28, 62, 96,

Land discloses all the claimed limitations, except (1) wherein said means for disseminated routing comprise: first providing means for providing routes to a routing server; querying means for querying the routing server for said routes configured for dissemination; and second providing means for providing matching routes to a gateway server.

However, in the same field of endeavor, Kavner further discloses wherein said means for disseminated routing comprise: first providing means for providing routes to a routing server (col.7, lines 42–45); querying means for querying the routing server for said routes configured for dissemination (col.7, line 58–col.8, line 5); and second providing means for providing matching routes to a gateway server (col.8, lines 25–65)(corresponding to (1)).

Therefore, it would have been obvious to an artisan to apply Kavner's teaching of Land's system with the motivation being to fasten the routing process by just searching the information in the service map/database.

Regarding claim 105, Land discloses computer interface means for displaying said routing server to a predetermined computer, information being exchanged with said predetermined computer, said computer interface means being capable of configuring said routing server (fig.2, customer originating equipment 210; col.12, lines 23–43).

9. Claims 34, 68, 102, 96 are rejected under 35 U.S.C. 103(a) as being unpatentable over Land in view of Khuc (6,470,008).

Regarding claims 34, 68, 102,

Land discloses all the claimed limitations, except (1) wherein said matching means use wildcard values to hold the place of number values.

However, in the same view of endeavor, Khuc (6,470,008) discloses routing using wildcard (col.9, 20–35) (corresponding to (1)). Therefore, it would have been obvious to an artisan to apply Khuc's teaching to Creamer's system with the motivation being to matching any calling numbers corresponding to the entries of allowed calls in database to retrieve allowed call.

Allowable Subject Matter

10. Claims 18-19, 26-27, 52-53, 60-61, 86-87, 94-95 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchau Ba Nguyen whose telephone number is 571-272-3148. The examiner can normally be reached on Monday-Friday from 10:00 a.m. to 2:00 p.m..

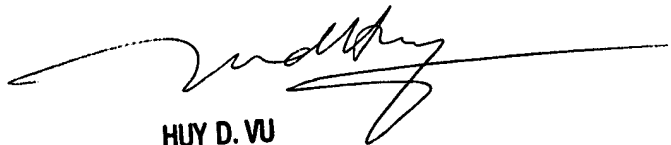
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on 571-272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Phuongchau Ba Nguyen
Examiner
Art Unit 2616



HUY D. VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600